



PATENT ABSTRACTS OF JAPAN

(11) Publication number: 2002015938 A

(43) Date of publication of application: 18.01.02

(51) Int CI

H01F 41/12

H01F 27/32

(21) Application number: 2000196238

(22) Date of filing: 29.06.00

(71) Applicant: TOSHIBA FA SYST ENG
CORPTOSHIBA CORP

(72) Inventor: TAKEUCHI YOSHIKAZU
MAEDA TERUHIKO
ICHIKAWA TAKANORI
SUZUKI ISATO

(54) DIE OF MOLDED COIL, AND METHOD FOR
MANUFACTURING MOLDED COIL

(57) Abstract

PROBLEM TO BE SOLVED: To prevent to the utmost current from flowing through a thermosetting resin, when a molded coil is manufactured by charging the thermosetting resin into the die body in which the coil is incorporated, energizing the coil conductor and curing the thermosetting resin, by making the coil conductor generating heat.

SOLUTION: A separated die 13a, which is a region of the die body 11 where conducting terminals 16 and 17 are provided is formed of an insulating material. After incorporating the coil 19 in the die body 11 and charging the thermosetting resin 23 into the die body 11, direct current is made to flow through the coil conductor 20 via the conducting terminals 16 and 17. Then the coil conductor 20 generates heat, and the thermosetting resin 23 is heated. In this case, since no conductive material exists near both ends 20a and 20b of the coil conductor 20 whose metal surface is exposed, current will not flow through the thermosetting resin 23. Accordingly, inhibition of curing can be prevented.

and the thermosetting resin 23 can be cured properly.

COPYRIGHT: (C)2002,JPO

